

Dual DRO LNB for simultaneous reception of low & high Ku-band



The WDL DRO LNB supports reception of full Ku-band frequency range simultaneously on low and high band outputs.

The LNB is ideal for installation in various professional TVRO applications.

Available with LO stability from ± 3 MHz to ± 1 MHz.

Features

- Full Ku-band coverage
- Low phase noise
- Option with low gain

TECHNICAL SPECIFICATIONS

MODEL:	WDL-DRO LNB type E		WDL-DRO LNB type B	
	Low band	High band	Low band	High band
Input freq. (GHz)	10.70 – 11.70	11.70 – 12.75	10.95 – 11.70	11.70 – 12.75
LO (GHz)	9.75	10.60	10.00	10.75
Output freq. (MHz)	950 – 1950	1100 – 2150	950 – 1700	950 – 2000
Spurious	-60 dBm typ. @ 1700 MHz	-70 dBm typ. @ 1700 MHz	-60 dBm typ. @ 1500 MHz	-70 dBm typ. @ 1500 MHz
Gain	52 dB typ. Option with low gain 48 dB max. (Recommended for antenna size >1.8m)			
Gain flatness	± 0.4 dB max. within 30 MHz ± 3 dB max. each band			
Noise Figure typ.	0.8 dB			
Phase Noise typ.	-75 dBc @ 1 kHz	-95 dBc @ 10 kHz	-110 dBc @ 100 kHz	-115 dBc @ >1MHz
Image rejection	50 dB min.			
Output P1 dB typ.	+5 dBm			
Output IP3 typ.	+15 dBm			
Output VSWR	2.1:1 typ.			
Output connector	F-type 75 Ω / N-type 50 Ω			
Input	WR75 / R120			
Input VSWR	2.3:1 typ.			
LO leakage	-60 dBm @ waveguide input			
Internal ref. stability	± 3 MHz (SR ≥ 25 Msp/s)	± 2 MHz (SR ≥ 20 Msp/s)	± 1.5 MHz (SR ≥ 15 Msp/s)	± 1 MHz (SR ≥ 10 Msp/s)
Age drifting	± 500 kHz / year			
DC power	+12 to +24 V, 180 mA typ. Supplied through any or both of the output connectors			
Temperature range	-30 to +60°C Operating -40 to +80°C Storage			
Dimensions	134 x 58 x 50 mm (F-connectors)		139 x 58 x 50 mm (N-connectors)	
Weight	587 g (F-connectors)		626 g (N-connectors)	
Options	Low gain 48 dB max.			
Miscellaneous	Enclosed O-ring, mounting screws (M4 x 10) 4 pcs			

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